

RECEIVED  
CENTRAL FAX CENTER

AUG 28 2007

AMENDMENTS

Amendments to the Drawings:

Substitute drawings have been included with this response. Please replace originally filed drawings with corresponding substitute drawings for FIGS. 1, 2, 3, 4, and 5.

Amendments to the Specification

Please amend paragraph [0002] of the Specification as follows:

[0002] Referring to Figure 1, a prior art electret condenser microphone used with headsets and handscts is illustrated. A cylindrical housing capsule 102 holds the various components of the microphone. Housing capsule 102 includes a port 104 on the upper surface facing a diaphragm 106. Voice signals are transmitted through port 104 to impinge on diaphragm 106. A backplate 112 is fixed just behind port 104. A capacitance gap exists between diaphragm 106 and backplate 112. A ring diaphragm spacer 110 is placed between diaphragm 106 and backplate 112 to create the capacitance gap between diaphragm 106 and backplate 112. A dielectric holder 114, FET 116, and PCB 118 are in the lower part of housing capsule 102. Housing capsule 102 is crimped to PCB 118. An input lead of FET 116 is coupled to backplate 112, and output lead is coupled to PCB 118. A cloth cover 120 may be placed over port 104 to prevent undesirable matter from entering the housing capsule 102 through port 104. In operation, sound waves impinge on diaphragm 106 causing diaphragm 106 to vibrate, thereby changing the capacitance between the diaphragm and fixed electrode in proportion to the strength of the sound waves. The change in capacitance is converted to a current or voltage change using FET 116.